FORM OF EXTRA ITEM RATE LIST (P.W.C-3/1)

Change of specification/alternative Items

Name of work:Comprehensive development works in ward no.13, Mallasandra EIRL

Name of Agency/Contractor: Sri R. SHIVARAM

Estimated Cost:100.00 lakh

Job Code:013-20-000123

A S No:EE/DD/AS/54/2020-21, Dt:26.05.2020

T S No:EE/DZ/TS/41/2020-21, Dt:26.06.2020

Tender Amount:87,29,662.00

Work order No:EE/DD/W.O/188/2020-21

Sl No.	Extra Item No.	Description	Unit	Qty	Rate	Amount (in Rs.)	Whether items are alternative to tender item or addittional.If items are in lieu of some tendered items mention such Items.	Whether extra item is includedd in the sanctioned estimate	How extra cost of the item is proposed to be meet	Whether the extra item is included in the S.R. if so reference to such to be given . If not data sheet is to accompany	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
1	E-1	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.(KPWD SR Page No.15, Item No.4.6)	Cum	9.60	6648.36	63850.85	Additional	No	General Savings	SR : PWD SR 2018-19, P No-15,I No-4.6	

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1	2	3	4	5	6	7	8	9	10	11	12
2	E-2	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement	Sqm	7.28	4913.53	35770.50	Additional	No	General Savings	SR : PWD SR 2018-19, P No-35,I No-7.10.2	
3	E-3	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification. (Page No.44, Item No.7.36 KPWD SR 2018-19)	Sqm	7.40	6029.89	44621.19	Additional	No	General Savings	SR : PWD SR 2018-19, P No-44,I No-7.36	

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1	2	3	4	5	6	7	8	9	10	11	12
4	E-4	KSRB 14.3 : Providing and laying flooring and steps machine cut granite slabs 40mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed , including cost of materials, labour, curing complete as per specifications. Specification No. KBS 14.26 (Page No.103, Item No.14.3 KPWD SR 2018-19)	Sqm	15.80	2725.75	43066.85	Additional	No	General Savings	SR : PWD SR 2018-19, P No-103,I No-14.3	
5	E-5	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.99, I.No. 13.86.2 of PWD SR 2018-19)	Mtr	56.00	263.93	14780.08	Additional	No	General Savings	SR : PWD SR 2018-19, P No-99,I No-13.86.2	
6	E-6	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes (P.No.99, I.No. 13.86.3 of PWD SR 2018-19)	Mtr	59.00	329.07	19415.13	Additional	No	General Savings	SR : PWD SR 2018-19, P No-99,I No-13.86.3	

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1	2	3	4	5	6	7	8	9	10	11	12
7	E-7	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 50mm nominal OD pipes. (P.No. 98/I.No. 13.85.6 of KPWD SR 2018-19)	Mtr	5.00	522.24	2611.20	Additional	No	General Savings	SR : PWD SR 2018-19, P No-98,I No-13.85.6	
8	E-8	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. - 110mm dia (P.No. 90/I.No. 12.116.1 of KPWD SR 2018-19)	Mtr	44.00	487.43	21446.92	Additional	No	General Savings	SR : PWD SR 2018-19, P No-90,I No-12.116.1	
9	E-9	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (P.No. 93/I.No. 13.23 of KPWD SR 2018-19)	Each	7.00	213.39	1493.73	Additional	No	General Savings	SR : PWD SR 2018-19, P No-93,I No-13.23	
10	E-10	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity) Specification No.KBS 13.22 (P.No.96/I.No. 13.78 of KPWD SR 2018-19)	No's	2.00	7668.48	15336.96	Additional	No	General Savings	SR : PWD SR 2018-19, P No-96,I No-13.78	

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1	2	3	4	5	6	7	8	9	10	11	12
11	E-11	Supply & delivery at site brand new make suitable HP deep well submercible pumpset suitable for vertical installation in 100 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cage submercible induction motor suitable for operation of Single Phase, 0.37 KW AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 0.5HP/0.37KW 7stage (P.NO-XLII, I.NO-2, PWD SR-2018-19)	No's	1.00	10753.61	10753.61	Additional	No	General Savings	SR : PWD SR 2018-19, P No-XLII.I No-2	
12	E-12	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface: Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC: 35. The finished surface to be level, uniform and free from streaks and holes complete with all lead and lift and as per direction of engineer incharge of work (P.NO-182, I.NO-24.15, PWD SR-2018-19)	Sqm	55.80	481.81	26885.00	Additional	No	General Savings	SR : PWD SR 2018-19, P No-182,I No-24.15	
13	E-13	Supplying heavy gauge PVC Conduit Pipe ....dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.25mm dia 2mm thick (Page No.2, Item No.1.3.2, KPWD Electrical SR 2019-20)	Mtr	210.00	56.16	11793.60	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-2,I No-1.3.2	

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1	2	3	4	5	6	7	8	9	10	11	12
14	E-14	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall. 1-3Way (Page No.9, Item No.3.4.1, KPWD Electrical SR 2019-20)	No's	2.00	98.80	197.60	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-9,I No-3.4.1	
15	E-15	4-5Way (Page No.9, Item No.3.4.2, KPWD Electrical SR 2019-20)	No's	2.00	109.19	218.38	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-9,I No-3.4.2	
16	E-16	8Way (Page No.9, Item No.3.4.4, KPWD Electrical SR 2019-20)	No's	9.00	150.79	1357.11	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-9,I No-3.4.4	
17	E-17	10-12Way (Page No.9, Item No.3.4.5, KPWD Electrical SR 2019-20)	No's	4.00	171.59	686.36	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-9,I No-3.4.5	
18	E-18	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.1 to 3 Module (Page No.9, Item No.3.5.1, KPWD Electrical SR 2019-20)	No's	2.00	114.39	228.78	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-9,I No-3.5.1	
19	E-19	4 Module (Page No.9, Item No.3.5.2, KPWD Electrical SR 2019-20)	No's	2.00	129.99	259.98	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-9,I No-3.5.2	
20	E-20	8 Module(Page No.9, Item No.3.5.4, KPWD Electrical SR 2019-20)	No's	9.00	207.98	1871.82	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-9,I No-3.5.4	
21	E-21	10 -12 Module (Page No.9, Item No.3.5.5, KPWD Electrical SR 2019-20)	No's	4.00	239.18	956.72	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-9,I No-3.5.5	
22	E-22	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6Amps one way Switch (Page No.10, Item No.3.6.1, KPWD Electrical SR 2019-20)	Each	60.00	72.80	4368.00	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-10,I No-3.6.1	
23	E-23	6Amps 3way socket (Page No.10, Item No.3.6.3, KPWD Electrical SR 2019-20)	Each	14.00	109.19	1528.66	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-10,I No-3.6.3	
24	E-24	Stepped Fan Regulator. (Page No.10, Item No.3.6.4, KPWD Electrical SR 2019-20)	Each	7.00	301.58	2111.06	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-10,I No-3.6.4	
25	E-25	16Amps one way switch(Page No.10, Item No.3.6.8, KPWD Electrical SR 2019-20)	Each	12.00	119.59	1435.08	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-10,I No-3.6.8	

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1	2	3	4	5	6	7	8	9	10	11	12
26	E-26	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.Short point upto 3Mtr from tapping point to out let via switch box (Page No.5, Item No.2.2.1, KPWD Electrical SR 2019-20)	Points	20.00	166.39	3327.80	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-5,I No-2.2.1	
27	E-27	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box (Page No.5, Item No.2.2.2, KPWD Electrical SR 2019-20)	Points	10.00	259.98	2599.80	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-5,I No-2.2.2	
28	E-28	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.1.5 sqmm (Page No.5, Item No.2.3.2, KPWD Electrical SR 2019-20)	Mtr	188.00	21.32	4008.16	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-5,I No-2.3.2	
29	E-29	2.5sqmm (Page No.6, Item No.2.3.3, KPWD Electrical SR 2019-20)	Mtr	180.00	33.28	5990.40	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-6,I No-2.3.3	
30	E-30	4sqmm (Page No.6, Item No.2.3.4, KPWD Electrical SR 2019-20)	Mtr	180.00	46.80	8424.00	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-6,I No-2.3.4	
31	E-31	Supplying and fixing regular MCB distribution boards on wall/ wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 8Way SP &N (Page No.38, Item No.5.18.7, KPWD Electrical SR 2019-20)	No's	1.00	1507.86	1507.86	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-38,I No-5.18.7	

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1	2	3	4	5	6	7	8	9	10	11	12
32	E-32	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32 Amps DP (Page No.27, Item No.5.17.4, KPWD Electrical SR 2019-20)	No's	10.00	945.27	9452.70	Additional	No	General Savings	SR : PWD Ele SR 2019-20. P No-27,I No-5.17.4	
33	E-33	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975.4 core 16 sqmm (Page No.40, Item No.6.4.4, KPWD Electrical SR 2019-20)	Mtr	30.00	155.99	4679.70	Additional	No	General Savings	SR : PWD Ele SR 2019-20. P No-40,I No-6.4.4	
34	E-34	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.6 sqmm to 16 sqmm (Page No.41, Item No.6.5.1, KPWD Electrical SR 2019-20)	Mtr	30.00	12.36	370.80	Additional	No	General Savings	SR : PWD Ele SR 2019-20. P No-41,I No-6.5.1	
35	E-35	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB 1-2, P-7)In soil (ordinary) (Page No.41, Item No.6.6.1, KPWD Electrical SR 2019-20)	Mtr	20.00	79.04	1580.80	Additional	No	General Savings	SR : PWD Ele SR 2019-20. P No-41,I No-6.6.1	
36	E-36	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm (Page No.41, Item No.6.9.1, KPWD Electrical SR 2019-20)	Mtr	6.00	348.37	2090.22	Additional	No	General Savings	SR : PWD Ele SR 2019-20. P No-41,I No-6.9.1	
37	E-37	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.16Sqmm (Page No.42, Item No.6.10.2, KPWD Electrical SR 2019-20)	No's	2.00	280.78	561.56	Additional	No	General Savings	SR : PWD Ele SR 2019-20. P No-42,I No-6.10.2	

FOR PRE-AUDIT IN THE DIVISION OFFICE
THE ENGINEER OFFICE.

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1	2	3	4	5	6	7	8	9	10	11	12
38	E-38	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG (Page No.30, Item No.5.42.2, KPWD Electrical SR 2019-20)	Sqcms	8550.00	0.37	3163.50	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-30,I No-5.42.2	
39	E-39	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders (Page No.79, Item No.14.7.1, KPWD Electrical SR 2019-20)	No's	13.00	114.39	1487.07	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-79,I No-14.7.1	
40	E-40	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32Amps (Page No.35, Item No.5.7.2, KPWD Electrical SR 2019-20)	No's	2.00	180.95	361.90	Additional	No	General Savings	SR : PWD Ele SR 2019-20, P No-35,I No-5.7.2	
				Total		376652.00					

Percentage of Excess Approved to Tender Amount $\frac{376652.00}{8729662.00} \times 100 = 4.31\%$

GTR in approved

Assistant Engineer
Ward No.13

Assistant Executive Engineer
Shettyhalli Sub Division

ಮುಖ್ಯ ಅಧಿಕಾರಿಗಳು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Executive Engineer
Dasarahalli Division